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Stop and restart a Listener Port in WAS

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+++ Objective

The objective of this technical document is to describe in detail how to stop and restart a Listener Port in WebSphere Application Server V7 and V8.

+++ Summary

Login to the WAS Administrative Console Application servers > server1 > Communications > Messaging > Message listener service > Listener Ports Select the desired Listener Port and click Start or Stop +++ Detailed procedure

+ 1: Identify the Listener Port associated with the desired MDB

Login to the WAS Administrative Console

Left side: Applications > Application Types > WebSphere enterprise applications Right side: Enterprise Applications > Select the desired MDB

Integrated Solutions Console Welcome		Help Logo
View: All tasks	Cell=veracruzNode01Cell, Profile=AppSrv01	
= Welcome	Enterprise Applications	
Guided Activities	Enterprise Applications	
1 Servers	Use this page to manage installed applications. A single application	n can be deploye
Applications	Preferences	
New Application	Start Stop Install Uninstall Update Rollout Update	Remove File
 Application Types WebSphere enterprise applications 		
Assets	Select Name 🛟	Application Sta
Services	You can administer the following resources:	
Resources	DefaultApplication	€
= Schedulers		€
 Object pool managers 		<u>A</u>

- Confirm that the MDB is associated with a Listener Port.

- Click on "Message Driven Bean listener bindings"

erprise Applications	1
Enterprise Applications > SampleMDBEJBEAR	
Jse this page to configure an enterprise applica	ation. Click the links to access pages for
urther configuring of the application or its mod	ules.
Configuration Runtime	
General Properties	Modules
* Name	Manage Modules
SampleMDBEJBEAR	
Application reference validation	Enterprise Java Bean Properties
Issue warnings 💉	Default messaging provider
	references
Detail Properties	Application profiles
Target specific application status	Message Driven Bean
Startup behavior	listener bindings
Application binaries	Database Drofiles
= Class leading and undet-	Database Promes
detection	SQLJ profiles and pureQuery
	bind files

- Ensure that the radio button is selected for: Listener Port

e Applications

rise Applications > SampleMDBEJBEAR > Message Driven Bean listener bindings

je Driven Bean listener bindings

message-driven enterprise bean in your application or module must be bound to a listener port name or to an activation ication JNDI name. When a message-driven enterprise bean is bound to an activation specification JNDI name you can specify the destination JNDI name and authentication alias.

ply Multiple Mappings

t	EJB module	EJB	URI	Messaging type	Listener Bindings			
	SampleMDBEJB	SampleMDB	SampleMDBEJB.jar,META- INF/ejb-jar.xml	javax.jms.MessageListener	 Listener port Name SampleMDBQueueLP Activation Specification Target Resource JNDI Name jms/SampleMDBQueueA Destination JNDI name ActivationSpec authentication alias 			

+ 2: Start a Listener Port

A WebSphere Application Server Listener Port is not a JMS administrative object and thus, it is not stored in the JNDI directory service.

Rather, it is an object under the "server" of WebSphere Application Server.

The short cut is:

Application servers > server1 > Message listener service > Listener Ports

The full procedure is described below.

From the left panel, select:

Servers > Server Types > WebSphere application servers

Integrated Solutions Console Welcome	
View: All tasks	Cell=veracruzNode01Ce
Welcome Guided Activities	Application servers
Servers	Use this page to view of each of these serv application server.
WebSphere application servers WebSphere MQ servers	Preferences
E Services	Name 🗘 Nor You can administer t
	server1 ver
	Total 1

From the right panel, click on the appropriate server, in this case, "server1". The Configuration tab will display the main information on the server:

Cell=veracruzNode01Cell, Profile=AppSrv01

Application servers					
Application servers > server1					
Use this page to configure an application server. An applic required to run enterprise applications.	ation server is a server that provides services				
Runtime Configuration					
General Properties	Container Settings				
Name server1	Session management				
Node name veracruzNode01	SIP Container Settings				
Run in development mode	Web Container Settings				
Parallel start	Portlet Container				

You need to scroll down to reach the section "Communications"

Communications
E Ports
🗄 Messaging

Click on "Messaging"

Communications					
1 Ports					
Ξ	Messaging				
(Message listener service				

Click on "Message listener service"

In the "Message listener service", click on: Listener Ports

Арр	olication server	5 ? -
	Application ser	vers > <u>server1</u> > Message listener service
	Use this page to message-driver deployed again istener ports ar	o configure the message listener service. This service provides the bean (MDB) listening process, in which message-driven beans are st listener ports that define the JMS destination to listen upon. These e defined within this service along with settings for its thread pool.
	Configuration	
	Addi	tional Properties
	(=	Listener Ports
		Thread Pool
	-	

Click on Listener Ports

Select the desired Listener Port and click on Start

pplication servers ? -						
🛛 Messages						
	🗓 Listene	er port SampleMDBQ	ueueLP stopped successfully.			
Application se	rvers > server	1 > Message listene	r service > Listener Ports			
Use this page	to configure lis	tener ports upon whi	ch message-driven beans listen for	messages. Each port spec	ifies the JMS	
connection fac	tory and JMS d	estination that a me	ssage-driven bean, deployed agains	t that port, listens upon.		
Preferences	1					
Conve	rt to activation s	pecification N	New Delete Start Stop			
	\$₽					
Select Name	\$	Description 🗘	Connection factory JNDI name 💲	Destination JNDI name 🗘	;Status ሷ	
You can adm	inister the follo	wing resources:			\frown	
Sample	eMDBQueueLP		jms/SampleMDBConnectionFactory	jms/SampleMDBQueue	*	
Sample	eMDBTopicLP		jms/SampleMDBConnectionFactory	jms/SampleMDBTopic	8	
Total 2						

The status for the Listener Port will change from Red to Green:

Convert to activation specification New Delete Start Stop						
Select Name 👌 🔹 Description 🔅 Connection factory JNDI name 🔅 Destination JNDI name 🔅 St						
You can administer the follo	wing resources:					
SampleMDBQueueLP		jms/SampleMDBConnectionFactory	jms/SampleMDBQueue	€		
SampleMDBTopicLP		jms/SampleMDBConnectionFactory	jms/SampleMDBTopic	8		

+ 3: Stopping a Listener Port

Select the desired Listener Port and click on Stop.

Preferences							
Convert to activation specification New Delete Start Stop							
Select	Name 🛟	Description 🗘	Connection factory JNDI name \diamondsuit	Destination JNDI name 🗘	Status ሷ		
1000	on administer the foll o	ning resources:			~		
	SampleMDBQueueLP	J	jms/SampleMDBConnectionFactory	jms/SampleMDBQueue	€		
	SampleMDBTopicLP		jms/SampleMDBConnectionFactory	jms/SampleMDBTopic	8		
Total 2							

+++ end +++